GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA

UNSTARRED QUESTION NO:2768
ANSWERED ON:11.05.2016
Monsoon Prediction
Galla Shri Jayadev

Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether there is possibility of La Nina developing in the second half of this year;

(b) if so, the details thereof; and

(c) the manner in which La Nina is helpful in getting more rains in the country?

Answer

THE MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)

(a-b) The latest model forecasts from Indian Institute of Tropical Meteorology (IITM)'s coupled ocean-atmospheric model and other international models indicate that the probability of development of La Nina condition increases towards the latter half of the year. Nearly all models predict weakening of El NiÃ±o, with a transition to El NiÃ±o-neutral conditions to develop likely during later half of the summer monsoon season (August-September) of 2016. Subsequently, the chance of La NiÃ±a development increases during the last quarter of 2016.

(c) The occurrence of La-Nina (anomalous cooling of Sea Surface Temperature of Equatorial Pacific ocean waters) has high positive correlation with Indian summer monsoon rainfall (ISMR). La-Nina events are generally associated with normal to above normal monsoons.